

ELECTRONIC DEVICE FOR DELIVERING YARN TO TEXTILE
MACHINES

ABSTRACT

An electronic device for delivering yarn to textile
5 machines comprising a motor (1), and an electronic
control board (2), which includes a microcontroller,
able to control the rotating speed of the motor (1) and
the currents in the phases of said motor (1); the
device has the purpose of adjusting the delivery of
10 each thread (11), by varying the rotating speed of the
motor (1), so as to maintain it as synchronised as
possible, according to an adjustable scale factor, with
the speed of the textile machine served; the device
also stops and starts up when the machine is working,
15 so that the rotating speed of the motor (1) is
synchronised with the motion of the thread-tighteners
(if textile machines equipped with striping devices
having a set of thread-tightener for each knitting
station are provided, in which a set of threads of
20 different colours and materials are provided at each
drop, according to a prefixed and programmed sequence).